

REMARKS

Applicants respectfully request reconsideration of the application, as amended, in view of the following remarks.

Regarding Kawahara et al Applicants wish to note the following. Kawahara et al was filed on August 7, 2001. However, the present application was filed January 4, 2002, claiming priority of Japanese application JP 2001-011051, filed January 19, 2001. Accordingly, the filing date of Kawahara et al (August 7, 2001) is about 8 month after the filing date of the priority application of the present invention (January 19, 2001). Thus, Kawahara et al is not available as prior art against the present invention. Applicants hereby submit a Certified English Translation of the Japanese priority document JP 2001-011051, thereby perfecting their claim to priority.

The obviousness-type double patenting rejection of Claims 1-6, 9 and 19 over the Claims of Kawahara et al (U.S. 6,613,833), and the obviousness-type double patenting rejection of Claims 7, 8, 10-18 and 20 over Claim 1 of Kawahara et al (U.S. 6,613,833) in view of Kawahara et al (U.S. 6,686,405) is obviated by the Terminal Disclaimer filed herewith.

The rejection of Claims 1-20 under 35 U.S.C. § 112, 2nd paragraph, is obviated by the amendment of these Claims.

Applicants respectfully request that the Examiner acknowledge that all references cited in the **Information Disclosure Statement**, filed in the above-identified application on **April 8, 2002**, have been considered. Applicants note that the Examiner stated in the Office Action of May 5, 2004, that this Information Disclosure Statement has been considered. However, **Applicants received only page 2 of 2 pages of the Form PTO 1449 with the Examiner's signature. The first page was not attached to the Office Action of May 5,**

Application No.: 10/035,123
Reply to Office Action dated: May 5, 2004

2004. For the Examiner's convenience a copy of page 1 of Form PTO 1449 as filed on April 8, 2002, is attached herewith.

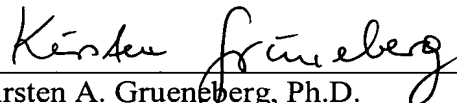
This application presents allowable subject matter, and the Examiner is kindly requested to pass it to issue. Should the Examiner have any questions regarding the claims or otherwise wish to discuss this case, he is kindly invited to contact Applicants' below-signed representative, who would be happy to provide any assistance deemed necessary in speeding this application to allowance.

Respectfully submitted,

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

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SERIAL NO.

10/035,123

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Takaharu et al.

FILING DATE

January 4, 2002

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,184,288	2/6/01	Ninomiya et al.			
	AB	3,847,845	11/12/74	Rentaro TADA, et al.			
	AC	5,118,743	6/2/92	Yonezu et al. (Equivalent to JP 64-66262			
	AD	5,146,822	9/15/92	Noda et al. (equivalent to JP 3-61507)			
	AE	5,322,866	6/21/94	Mayer et al.			
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO	
	AO	JP 64-66262	9/7/87	JAPAN (equivalent to US 5,118,743)		x
	AP	JP 55012108 A	1/28/80	JAPAN (with English Abstract)		x
	AQ	JP 57034148 A	2/24/82	JAPAN (with English Abstract)		x
	AR	JP 3-61507	3/18/91	JAPAN (equivalent to US 5,146,822)		x
	AS	EP 0 892 006 A2	7/16/98	EUROPE	x	
	AT	JP 11058500 A	3/2/99	JAPAN (with English Abstract)		x
	AU	JP 11058501 A	3/2/99	JAPAN (with English Abstract)		x
	AV	WO99/05213	4/2/99	WIPO (equivalent to EP 0 930 339 A1)	x	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	
	AX	
	AY	
	AZ	

COPY

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.